DOCUMENT RESUME

ED 292 477 IR 052 325

AUTHOR Amen, Kathleen L.
TITLE Guide to U.S. Documents in Science and Technology. Academic Library Guide. Government Documents Series Number 4.
INSTITUTION Saint Mary's Univ., San Antonio, Tex.
PUB DATE 88
NOTE 21p.; For other guides in this series, see IR 052 322-324.
PUB TYPE Guides - Non-Classroom Use (055) -- Reports - Descriptive (141)

EDRS PRICE MF01/PC01 Plus Postage.
DESCRIPTORS College Libraries; Depository Libraries; *Government Publications; Information Seeking; *Information Sources; *Reference Materials; *Scientific and Technical Information

ABSTRACT

This document is the fourth of four in a series of guides to the government documents collection in the academic library at St. Mary's University (San Antonio, Texas); the library has been a selective depository for U.S. Government publications since 1964. Focusing on the scientific and technical documents that are available in the library's documents collection, this guide is divided into seven broad subject areas: (1) General and Interdisciplinary Sources; (2) History of Science and Technology; (3) Life Sciences; (4) Health Sciences; (5) Earth Sciences; (6) Astronomy; and (7) Engineering. Within each subject area, arrangement of documents is by type of publication, such as bibliographies, statistics, and indexes. It is noted that, in collecting these documents, the library focuses on subject areas and levels of treatment that support university curricula, and that special attention is paid to major series collected by the library in each subject area. (CGD)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****

ED292477

ACADEMIC LIBRARY GUIDE GOVERNMENT DOCUMENTS SERIES NUMBER 4

U.S. DEPARTMENT OF EDUCATION
Office of Educational Research and Improvement
EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

☒ This document has been reproduced as received from the person or organization originating it.

☐ Minor changes have been made to improve reproduction quality.

• Points of view or opinions stated in this document do not necessarily represent official OERI position or policy.

GUIDE TO U.S. DOCUMENTS IN SCIENCE AND TECHNOLOGY

"PERMISSION TO REPRODUCE THIS MATERIAL HAS BEEN GRANTED BY

Kathleen L. Amen

TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)."

IR052325

GUIDE TO U.S. DOCUMENTS IN SCIENCE AND TECHNOLOGY

PREPARED BY
KATHLEEN L. AMEN

St. Mary's University
Academic Library
One Camino Santa Maria
San Antonio, Texas 78284

SPRING, 1988

GUIDE TO U.S. DOCUMENTS IN SCIENCE AND TECHNOLOGY

Scientific and technical information is of vital importance to the national government. Consequently, many Federal documents are published dealing with scientific and technical topics and issues. St. Mary's Academic Library collects these documents in a selective manner, focusing on subject areas and levels of treatment which are supportive of university curricula.

Readers of the following guide will notice immediately that no single agency is responsible for all scientific publishing; each subject, in fact, is represented by documents from several different sources. Because of this dispersion of scientific and technical information throughout the Federal government, users of documents are urged to use the indexes described in Guide to Access (Government Documents Guide no. 1). Browsing in the documents stacks can turn up many pertinent items through serendipity. But for a comprehensive search on any topic, use of the indexes is essential.

This guide is divided into broad subject areas, with sections on general sources and documents dealing with the history of science preceding sections on Life Sciences, Health Sciences, Earth Sciences, Astronomy and Engineering. Within each subject area, arrangement of documents is by type of publication (e.g., "Bibliographies," "Indexes," etc.). Special attention is paid to major series collected by the Library in each subject area.

Be aware that this Guide is nothing more than that. It is most definitely not an exhaustive listing of scientific and technical documents at St. Mary's. Also be aware that other libraries in the city may have more extensive collections in certain subjects than we do, and we may borrow from these libraries. Ask a librarian for assistance if you have difficulty finding the information you need.

TABLE OF CONTENTS

I. General & interdisciplinary Sources 3

II. History of Science & Technology 4

III. Life Sciences 5

IV. Health Sciences 7

V. Earth Sciences 9

VI. Astronomy 13

VII. Engineering 14

TITLE AND AGENCY INDEX 16

I. General & Interdisciplinary Sources

A. Guides and Bibliographies

1. LC Science Tracer Bullets (LC 33.10:). Guides to information on various topics in science and technology, containing a brief explanation of the subject and lists of sources for further information. Call numbers given are not necessarily those used by the Academic Library; we will not even own all sources listed. Particularly useful sections of each guide are sources of introductory information on the topic, and lists of subject headings to facilitate searching in the Public Catalog.

2. Subject Bibliographies (GP 3.22/2:): Lists of documents available for sale from the Government Printing Office. The Academic Library will not have all the publications listed; and we may have some that are not listed. But these bibliographies can be a good starting place for research. Titles and numbers covering general and interdisciplinary sources are:

> Government Specifications and Standards (#231); Mathematics (#24); Lists of National Bureau of Standards Publications (#133, 139, 148, 271); National Science Foundation Publications (#220); Patents and Trademarks (#21); Science Experiments and Projects (#243); Smithsonian Institution Popular Publications (#252); Weights and Measures (#109)

B. Index

Government Reports Announcements (C 51.9/3:). Bi-monthly, with annual indexes (C 51.9/4:). 1971- (1971-76 in storage). Index to reports of government-sponsored research; includes abstracts. Ordering information (from the National Technical Information Service, or NTIS) accompanies each issue.

C. Important Agencies

1. House Committee on Science & Technology (Y 4. Sci 2:). Hearings and committee prints from 1967. (Holdings for the early years in the run are incomplete.) Publications are arranged chronologically, not by subject. Hearings are labeled with a 2-part number consisting of Congress number and sequence number (i.e., 97-44); prints are given Congress number and letter (i.e., 97-A). NOTE: Many other Congressional committees hold hearings and publish prints dealing with scientific and technical issues. This committee is simply the only one that deals exclusively with these subjects.

2. National Science Foundation (NS). Primarily a funding agency for scientific research, NSF also publishes analyses of existing and emerging scientific and technical issues (such as "Lead in the Environment"; most of these analytical studies are classed NS 1.2:) and disseminates information on human and financial resources in the sciences (such as studies of women and minorities in science and engineering, for example).

3. Office of Technology Assessment (Y 3.T 22/2:). An analytical arm of Congress, OTA helps legislators anticipate and plan for consequences of technological changes. We have been receiving all of their publications that are available on depository since 1985, and have acquired some older material as well. Most reports have accompanying summaries.

II. History of Science & Technology

A. Bibliography

Bibliography of the History of Medicine (HE 20.3615:). Annual. 1964- . Covers articles, monographs, and conference proceedings wold-wide. One section contains references to biographical information on the medical histories of famous persons, medical aspects of artistic works, and biographies of those in health related professions. A second section indexes references by subject, subdivided, where appropriate, by geographical or chronological headings. There is a detailed contents list of subject headings which includes cross references.

B. Other Reference Books

1. History of Civil Aviation: Turbulence Aloft (TD 4.2:T 84/2/938-53); Takeoff at Mid-Century (TD 4.2:T 13/953-61); Safe, Separated & Soaring (TD 4.2:SA 1/8/961-72).

2. Toward the Endless Frontier: History of the Committee on Science & Technology (Y 1.2:F 92/959-79). Includes a detailed index and bibliography; traces history of scientific and technical issues of national importance during the years 1959 to 1979.

C. Important Series

1. Bulletin of the U.S. National Museum (SI 3.3:). 1957-70. Some early numbers are missing. Each bulletin is a scholarly monograph.

2. NASA Special Publications, beginning with number 4201 (NAS 1.21:4201--). Histories of various NASA projects, such as Project Mercury (#4201), Skylab (#4208), etc.

3. National Air & Space Museum (SI 9). These publications utilize the museum's collections, which memorialize the history of manned flight of all types. We receive all available publications. Of particular interest is the series Annals of Flight (SI 9.9), consisting of 10 volumes published from 1964-74.

4. Proceedings of the U.S. National Museum (SI 3.6:). 1899-1968 (v.21-125). Some early volumes are missing. Each volume is a collection of scholarly articles.

5. Smithsonian Year (SI 1.1:). Earlier title is Annual Report. Annual. 1930- . Reports activities of the major government science museum.

III. Life Sciences

A. Agriculture

1. Bibliographies

Subject Bibliographies (GP 3.22/2:). See description of series at I.A.2. Titles and numbers relevant to agriculture are:

Agricultural Research, Statistics and Economic Reports (#162); Agriculture Yearbooks (#31); Census of Agriculture (#277); Farms and Farming (#161); Gardening (#301); The Home (#41); Livestock and Poultry (#10); Pesticides, Insecticides, Fungicides and Rodenticides (#227); Soil and Soil Management (#7); Trees, Forest Products and Forest Management (#86)

2. Statistics

a. Census of Agriculture (C 3.31:). Taken every 5 years.

1925--Southern States
1935--Statistics by County; Subjects
1964- --Texas only volume in area series; Subject Reports (includes type of crops)

b. Agricultural Statistics (A 1.47:). Annual. 1964- . A compendium of statistics on agricultural production, supplies, consumption, facilities, costs and returns.

c. Handbook of Agricultural Charts (A 1.76/2:). Annual. 1964- . (For years previous to 1985, Handbooks are scattered within the A 1.76: Agricultural Handbooks series). Includes charts on the farm, rural development, consumer issues, food and nutrition programs, trade and commodity trends.

3. Other Reference Books

a. Farm Relief & Agricultural Adjustment Acts (Y 1.2:F 22). 1978. This is a simple compendium of laws in force, reprinted from the Statutes at Large volumes. There is no index or commentary.

b. Laws Relating to Agriculture (Y 1.2:Ag 8/5). 1971, 1981. This is a simple compendium of laws in force, reprinted from the Statutes at Large volumes. There is no index or commentary.

4. Important Series

a. Agriculture Handbooks (A 1.76:). Includes many substantial and valuable monographs, such as: Tropical Timbers of the World (#607); Beekeeping in the U.S. (#335); Principles & Practice of Seed Storage (#506), etc.

b. Home & Garden Bulletins (A 1.77:). Booklets of information for laypeople and consumers on raising specific plants, pest control, food and nutrition, etc.

c. Miscellaneous Publications (A 1.38:). For the last several years, this series has been received in microfiche.

d. Yearbooks (A 1.10:). Annual. 1936- . Devoted to a different topic each year, they contain articles and illustrations, some statistics, and usually an index.

B. Botany

1. Bibliographies

Subject Bibliographies (GP 3.22/2:). See series description at I.A.2. Titles and numbers relevant to botany are:

Gardening (#301); The Home (#41); Trees, Forest Products, and Forest Management (#86)

2. Reference Books

a. Atlas of US Trees (A 1.38:).

v. 1 (A 1.38:1146)--Conifers & Important Hardwoods. 1971.
v. 2 (A 1.38:1293)--Alaska Trees & Common Shrubs. 1975.
v. 3 (A 1.38:1314)--Minor Western Hardwoods. 1976.
v. 4 (A 1.38:1342)--Minor Eastern Hardwoods. 1977.
v. 5 (A 1.38:1361)--Florida. 1978.

b. Manual of Grasses of the U.S. (A 1.38:200/2). 1935. Features line drawings and detailed descriptions of genera and species. Includes general introduction, glossary and extensive index.

c. Selected Weeds of the U.S. (A 1.76:366). 1970. Describes 224 species of weeds and gives geographical distribution. Line drawings are included. There is a glossary of technical terms (including some illustrations) and an index.

3. Important Series

Smithsonian Contributions to Botany (SI 1.29:). 1969- . Some numbers are in microfiche.

C. **Zoology**

1. **Bibliographies**

Subject Bibliographies (GP 3.22/2): See description of series at I.A.2. Titles and numbers relevant to zoology are:

Birds (#177); Fish and Marine Life (#209); Insects (#34); Mammals and Reptiles (#70); Wildlife Management (#116)

2. **Reference Books**

a. Birds in Our Lives (I 49.2:B 53/3). 1966. Gives a wide perspective on birds as they affect and are affected by people, their activities, other birds, and other animals. Illustrated, with a detailed index.

b. Catalog of Diptera of America (A 1.76:276). 1965. A listing only, with synonyms and geographic distribution noted. There is a lengthy bibliography classified by author and an extensive index.

c. Catalog of Hymenoptera in America North of Mexico (SI 1.2:H 99/2). 1979. Index to basic systematic, biological and morphological information on order Hymenoptera (wasps, ants, etc.).

3. **Important Series**

Smithsonian Contributions to Zoology (SI 1.27:). 1969- . some numbers, especially from the mid-1980's, are in microfiche.

IV. **Health Sciences**

A. **Medicine**

1. **Indexes and Bibliographies**

a. Bibliography on Smoking & Health (HE 20.11:). Annual. 1969- . Classified cumulation of abstracts of articles from the international literature; there are author, organization and subject indexes.

b. Index Medicus (HE 20.3612:). Monthly, with annual cumulations. Library keeps 5 years. This is the standard, comprehensive, international index of medical literature. Fields related to medicine--psychology, biology and bioengineering--are covered as well as nursing, dentistry, pharmacy and hospital administration.

c. Subject Bibliographies (GP 3.22/2): See description of series at I.A.2. Titles and numbers relevant to medicine are:

Care & Disorders of the Eyes (#28); Diseases in Humans (#8); Food, Diet & Nutrition (#291); Hearing & Hearing Disability (#23); Hospitals (#119); Medicine & Medical Sciences (#154); Nurses & Nursing Care (#19); Occupational Safety & Health (#213); Physical Fitness (#239); Public Health (#122); Radiation & Radioactivity (#48); Smoking (#15); Vital & Health Statistics (#121)

2. Other Reference Books

a. Compilation of Selected Acts within the Jurisdiction of the Committee on Energy & Commerce (Y 4. En 2/3:). Vol. 1: Health Law; Vol. 2: Food & Drug. Revised every 2 years; Library keeps the latest edition only. This is a simple compilation of laws in force, with no explanatory material.

b. Composition of Foods (A 1.76:8). Tables showing composition by weight and percentage. Separate volumes include:

1--Dairy & Egg
2--Spices & Herbs
3--Baby Foods
4--Fats & Oils
5--Poultry
6--Soups, Sauces & Gravies
7--Sausages & Luncheon Meats
8--Breakfast Cereals
9--Fruits & Juices
10--Pork
11--Vegetables
12--Nuts & Seeds
13--Beef
14--Beverages
15--Finfish & Shellfish
16--Legumes

c. Federal Food, Drug & Cosmetic Act (Y 1.2:F 31). 1981. This is a simple compendium of laws in force, reprinted from the Statutes at Large volumes. There is no index or commentary.

d. Hospital Survey & Construction Act (Y 1.2:H 79). 1981. This is a simple compendium of laws in force, reprinted from the Statutes at Large volumes. There is no index or commentary.

3. Important Agencies

a. Institutes within the Department of Health and Human Services. These are found in the HE section of the documents stacks and the microfiche cabinets. For a breakdown of this section by Institute, consult the List of Classes ... Available for Selection by Depository Libraries (GP 3.24:), or ask a librarian for assistance.

b. Non-HHS agencies of importance. National Advisory Council on Child Nutrition (Y 3.C 43/2:); Federal Council on Aging (Y 3.F 31/15:); Occupational Safety & Health Administration (L 35); President's Commission for the Study of Ethical Problems in Medicine and Biomedical and Behavioral Research (Pr 40.8:Et 3).

B. **Pharmacy (including Drug Abuse)**

1. **Bibliographies**

Subject Bibliographies (GP 3.22/2:). See description of series at I.A.2. Titles and numbers relevant to pharmacy are:

Alcohol, Tobacco & Firearms (#246); Drug Abuse (#163)

2. **Important Series**

a. National Drug Code Directory (HE 20.4012:). Compiles mandatory submissions to the Food and Drug Administration of information on all commercially distributed drugs, including selected over-the-counter items. Drugs are listed by product names supplied by firms. Information given includes a unique NDC number, dosage form, active ingredients, package size and type, and major drug class. There are indexes by numeric drug class, by NDC and by short name. Supplements update directories between new editions.

b. National Institute on Drug Abuse Series: Research Issues (HE 20.8214:); Reports (HE 20.8215:); Research Monographs (HE 20.8216:)

3. **Other Reference Books**

a. Liquor Laws (Y 1.2:L 66). 1978. This is a simple compendium of laws in force, reprinted from the Statutes at Large volumes. There is no index or commentary.

b. Opium & Narcotic Laws (Y 1.2:Op 3). 1981. This is a simple compendium of laws in force, reprinted from the Statutes at Large volumes. There is no index or commentary.

V. **Earth Sciences**

A. **Geology**

1. **Indexes and Bibliographies**

a. Bibliography of North American Geology (I 19.3: 834...1269). 1929-69 (some missing). This index to the geological literature is no longer available as part of the "Circulars" series.

b. Publications, New Publications of USGS (I 19.41/4: I 19.14/1:). Monthly, with annual and other cumulations. 1879- . Books and maps are listed by series. There is an index which includes subjects and geographical terms.

c. Subject Bibliographies (GP 3.22/2):See description of series at I.A.2. Titles and numbers relevant to geology are:

Census of Mineral Industries (#310); Earth Sciences (#160); Fossils (#143); Minerals Yearbooks (#99); Minerals & Mining (#151); Surveying & Mapping (#183); Water Pollution & Water Resources (#50)

2. **Other Reference Books**

a. Census of Mineral Industries (C 3.216:). 1963- . Part of the 5-year Economic Census cycle. Reports statistics on all mining establishments regarding labor, materials, capital and input/output of products and services. Statistics are available by geographic area, type of material mined; general information includes financial aspects, energy and water use, etc.

b. Dictionary of Mining, Mineral & Related Terms (I 28.2:D 56). 1968. Covers technical and local terms in all aspects of geology, metallurgy, ceramics, etc. Petroleum, natural gas and legal terminology is excluded unless it is general in nature. Definitions include references to sources.

c. Lexicon of Geological Names of the U.S. (I 19.3:). 1936-60: I 19.3:1200; 1961-67: I 19.3:1350.

d. Mineral Facts & Problems (I 28.3:). Published every 5 years. Encyclopedia of current information on metals, minerals and fuels. Non-technical; gives background, outlook, problems, references for each commodity.

e. U.S. Earthquakes (C 55.226:) 1969-80. Includes descriptions and tabular data on earthquakes; epicenters are given.

3. **Important Series**

a. Maps (Geology Dept.). Topographic quadrangle maps for California, Colorado and Texas are kept in the Geology Dept.

b. Minerals Yearbook (I 28.37:). 1930- . (Some early years are missing. Comprehensive review of U.S. and foreign mineralogical and metallurgical developments; statistics; domestic volume includes chapters on each state)

c. USGS Bulletin (I 19.3:). 1930- . Some early numbers are missing.

d. USGS Circulars (I 19.4/2:). 1960- . Some early numbers are missing. Separate annual sub-series which have distinct call numbers beginning with 1986-87:

Earthquakes in U.S.--I 19.4/2-2:
USGS Accomplishments in Alaska--I 19.4/2-3
Annual Report on Alaska's Mineral Resources--I 19.4/2-4:
USGS Research on Energy Resources--I 19.4/2-5:
Strong-motion Program Report--I 19.4/2-6:
USGS Research on Mineral Resources--I 19.4/2-7:
Geological Studies in Alaska--I 19.4/2-8:

e. USGS Professional Papers (I 19.16:). 1964- . Some early number are missing.

f. Smithsonian Contributions to Paleobiology (SI 1.30:). 1969- . Some numbers are in microfiche.

B. Meteorology

1. Bibliographies

Subject Bibliographies (GP 3.22/2): See description of series at I.A.2. Title and number relevant to meteorology is: Weather (#234)

2. Reference Books

a. Climatic Atlas of the U.S. (Atlas Stand). 1968, repr. 1983. Contains maps depicting average climatic elements such as temperature, precipitation, humidity, daylight, etc.

b. World Weather Records (C 55.281:W 89). 1961-70, 1971-80. Vol. 1: North America; vol. 2: Europe; vol. 3: South, Central America; vol. 6: Islands.

3. Important Series

U.S. Climatic Data (C 55.214/41:). Monthly, 1980- . Texas only; daily temperature and precipitation readings from nearly 600 stations across the state are arranged by region. Monthly summary data and extremes for the month are also given.

C. Oceanography

Subject Bibliographies (GP 3.22/2:). See description of series at I.A.2. Titles and numbers relevant to oceanography are:

National Ocean Survey Publications (#260); Oceanography (#32)

D. Environmental Science

1. Bibliographies

Subject Bibliographies (GP 3.22/2:). See description of series at I.A.2. Titles and numbers relevant to environmental science are:

Air Pollution (#46); Conservation (#238); Environmental Education & Protection (#88); Pesticides, Insecticides, Fungicides & Rodenticides (#227); Solar Energy (#9); Waste Management (#95); Water Pollution & Water Resources (#50)

2. **Other Reference Books**

a. Compilation of Selected Acts within the Jurisdiction of the Committee on Energy & Commerce (Y 4. En 2/3:) Vol. 3: Environment. Revised every 2 years; Library keeps the latest edition only. This is a simple compilation of laws in force, with no explanatory material.

b. Pesticides Background Statements (A 1.76:). Vol. 1: Herbicides (A 1.76:633), 1984; vol. 2: Fungicides & Fumigants (A 1.76:661), 1986; vol. 3: Nursery Pesticides (A 1.76:670), 1987.

E. Energy

1. **Bibliographies and Indexes**

a. Energy Abstracts for Policy Analysis (E 1.11:). Monthly, with annual indexes. 1982- . Abstracts of articles or reports with significant reference value. Emphasizes non-technical literature.

b. Energy Research Abstracts (E 1.17:). Bi-monthly, with annual indexes. 1981-June, 1986. Indexes reports of government-sponsored research.

c. Subject Bibliographies (GP 3.22/2:). See description of series at I.A.2. Titles and numbers relevant to energy are:

Atomic Energy & Nuclear Power (#200); Energy Conservation & Research Technology (#306); Energy Management for Consumers & Business (#303); Energy Policy, Issues & Programs (#305); Energy Supplies, Prices & Consumption (#304); Public & Private Utilities (#298); Solar Energy (#9)

2. **Other Reference Books**

a. Energy Information Administration publications:

Annual Energy Review (E 3.1/2:). 1982- .
Annual Energy Outlook (E 3.1/4:). 1982- .
International Energy Annual (E 3.11/20:). 1979- .
Typical Electric Bills (E 3.22:). 1982- .
Statistics of Interstate Natural Gas Cos. (E 3.25:). 1981- .
EIA Publications Directory (E 3.27:). Qtly. 1980- .
Inventory of Power Plants in the U.S. (E 3.29:). 1980- .
Short-Term Energy Outlook (E 3.31:). Qtly. 1979- .
State Energy Overview (E 3.42/2:). 1982- .

b. Compilation of Energy-Related Legislation (Y 4. En 2/3:) Revised every 2 years; Library keeps the most recent edition only. This is a simple compilation of laws in force, with no explanatory material.

c. Federal Power Commission Laws & Hydroelectric Power Development Laws (Y 1.2:F 31). 1978. This is a simple compendium of laws in force. There is no index or commentary.

3. **Important Series**

a. Nuclear Regulatory Commission Report on Abnormal Occurrences (Y 3.N 88:20). Quarterly. 1980- . Reports of incidents determined to be significant from the standpoint of public health or safety.

b. Reports (E 1.99:, microfiche). These reports of government-sponsored research were received from 1983 to 1986. Access to this collection is through the Energy Research Abstracts only.

VI. Astronomy

A. Bibliographies

1. Scientific & Technical Aerospace Reports (STAR) (NAS 1.9/4:). 1977-September, 1986. Standard index to reports of government-sponsored research.

2. Subject Bibliographies (GP 3.22/2:). See description of series at I.A.2. Titles and numbers relevant to astronomy are:

Astronomy & Astrophysics (#115); NASA Scientific & Technical Publications (#257); Space, Rockets & Satellites (#297)

B. Other Reference Books

1. Astronauts & Cosmonauts; Biographical & Statistical Data (Y 4. Sci 2:99/G). Includes photographs; revised occasionally.

2. Astronomical Almanac (D 213.8:). Annual. Library keeps at least 5 years. Includes information on movements of sun, moon, planets and stars.

3. NASA Thesaurus (NAS 1.21:7053). 1985, with supplements. Organizes aerospace terminology; can be used to formulate computerized literature searches on NASA/RECON or NTIS databases.

4. Star Catalog (SI 1.2:St 2). 1966. Gives positions and proper motion for over 250,000 stars.

C. Important Series

1. NASA Special Publications (NAS 1.21:). 1966- . (No. 1- .) Some numbers are missing; some are received on microfiche. Many of these monographs contain excellent photographs and report results of space explorations.

2. Other NASA series

NASA Handbooks (NAS 1.18:); NASA Educational Publications (NAS 1.19:); NASA Facts (NAS 1.20:); NASA Tech Briefs (NAS 1.29/3, 3-2:); NASA Reference Publications (NAS 1.61: MF).

VII. Engineering

A. Transportation

1. Bibliographies

Subject Bibliographies (GP 3.22/2:). See description of series at I.A.2. Titles and numbers relevant to transportation are:

Aircraft, Airports & Airways (#13); Aviation Information & Training Materials (#18); Census of Transportation (#149); Civil Aeronautics Board Publications (#186); Coast Guard Publications (#263); Federal Aviation Regulations (#12); Highway Construction, Safety & Traffic (#3); ; Motor Vehicles (#49); Navigation (#29); Railroads (#218); Shipping & Transportation (#40); Ships, Shipping & Shipbuilding (#225) Space, Rockets & Satellites (#297);

2. Statistics

a. Census of Transportation (C 3.233:). 1967- . Part of the 5-year Economic Census cycle. Parts include: National Travel Survey, Truck Inventory & Use Survey, Commodity Transportation Survey. Preliminary reports may be received in microfiche.

b. Census of U.S. Civil Aircraft (TD 4.18:). Annual. 1966- . Includes detailed tables of information on civil the air carrier fleet and an inventory of registered and general aviation aircraft.

c. FAA Statistical Handbook of Aviation (TD 4.20:). Annual. 1967- . Information on aircraft, airports and personnel.

d. Highway Statistics (TD 2.23: 23/2, summary). Annual. 1965- . Information on fuel, vehicles, finance and roads.

3. Other Reference Books

a. Compilation of Certain Railroad Laws within the Jurisdiction of the Committee on Energy & Commerce (Y 4. En 2/3:). Revised occasionally; Library keeps the latest edition only. A simple compilation of laws in force, it includes no explanatory material.

b. Laws Relating to Interstate Commerce & Transportation (Y 1.2:In 8/3). 1971, 1981. This is a simple compendium of laws in force. There is no index or commentary.

c. Laws Relating to Shipping & Merchant Marine (Y 1.2:Sh 6). 1968, 1981. This is a simple compendium of laws in force. There is no index or commentary.

B. Other Areas of Engineering

1. Bibliographies

Subject Bibliographies (GP 3.22/2:). See description of series at I.A.2. Titles and numbers relevant to engineering are:

Army Technical & Field Manuals (#148); Bureau of Reclamation Publications (#249); Census of Construction (#157); Civil & Structural Engineering (#308); Computers & Data Processing (#51); Construction Industry (#216); Building Science Series (#138); Electricity & Electronics (#53); Engineering Other Than Civil (#123); Minerals & Mining (#151); Naval Facilities Engineering Command Publications (#219); Noise Abatement (#63); Radiation & Radioactivity (#48); Telecommunications (#296); U.S. Army Corps of Engineers (#261)

2. Census of Construction Industries (C 3.245:). 1967- . Part of the 5-year Economic Census cycle. Statistics are available by industry and by geographic area. Preliminary reports may be received in microfiche.

Agricultural Statistics (A 1.47:) 5
Agriculture 5
Agriculture Handbooks (A 1.76:) 5
Annals of Flight (SI 9.9) 4
Annual Energy Outlook (E 3.1/4:) 12
Annual Energy Review (E 3.1/2:) 12
Astronauts and Cosmonauts (Y 4. Sci 2:99/G) 13
Astronomical Almanac (D 213.8:) 13
Astronomy 13
Atlas of US Trees (A 1.38:) 6
Bibliography of North American Geology (I 19.3: 834...1269) 9
Bibliography of the History of Medicine (HE 20.3615:) 4
Bibliography on Smoking & Health (HE 20.11:) 7
Birds in Our Lives (I 49.2:B 53/3) 7
Botany 6
Bulletin of the U.S. National Museum (SI 3.3:) 4
Catalog of Diptera of America (A 1.76:276) 7
Catalog of Hymenoptera in America (SI 1.2:H 99/2) 7
Census of Agriculture (C 3.31:) 5
Census of Construction Industries (C 3.245:) 15
Census of Mineral Industries (C 3.216:) 10
Census of Transportation (C 3.233:) 14
Census of US Civil Aircraft (TD 4.18:) 14
Climatic Atlas of the U.S. (Atlas Stand) 11
Commission for the Study of Ethical Problems...(Pr 40.8:Et 3) 8
Compilation of Certain Railroad Laws within the Jurisdiction of 14
Compilation of Energy-Related Legislation (Y 4. En 2/3:) 12
Compilation of Railroad Laws (Y 4. En 2/3:) 14
Compilation of Selected Acts...,Vol. 3: Environment(Y 4.En2/3) 12
Compilation of Selected Acts...,Vol.1-2 (Y 4. En 2/3:) 8
Composition of Foods (A 1.76:8) 8
Dictionary of Mining, Mineral and Related Terms (I 28.2:D 56) 10
Earth Sciences 9
EIA Publications Directory (E 3.27:) 12
Energy 12
Energy Abstracts for Policy Analysis (E 1.11:) 12
Energy Information Administration publications (E 3.) 12
Energy Research Abstracts (E 1.17:) 12
Engineering 14
Environmental Science 11
FAA Statistical Handbook of Aviation (TD 4.20:) 14
Farm Relief and Agricultural Adjustment Acts (Y 1.2:F 22) 5
Federal Council on Aging (Y 3.F 31/15:) 8
Federal Food, Drug and Cosmetic Act (Y 1.2:F 31) 8
Federal Power Commission Laws (Y 1.2:F 31) 12
General & Interdisciplinary Sources 3
Geology 9
Government Reports Announcements (C 51.9/3:) 3
Handbook of Agricultural Charts (A 1.76/2:) 5

Health Sciences 7
Highway Statistics (TD 2.23: 23/2, summary) 14
History of Civil Aviation (TD 4.2:) 4
History of Science & Technology 4
Home & Garden Bulletins (A 1.77:) 6
Hospital Survey and Construction Act (Y 1.2:H 79) 8
House Committee on Science and Technology (Y 4. Sci 2:) 3
Hydroelectric Power Development Laws (Y 1.2:F 31) 12
Index Medicus (HE 20.3612:) 7
International Energy Annual (E 3.11/20:) 12
Inventory of Power Plants in the U.S. (E 3.29:) 12
Laws Relating to Agriculture (Y 1.2:Ag 8/5) 5
Laws Relating to Interstate Commerce & Transportation (Y 1.2) 14
Laws Relating to Shipping & Merchant Marine (Y 1.2:Sh 6) 14
LC Science Tracer Bullets (LC 33.10:) 3
Lexicon of Geological Names of the U.S. (I 19.3:) 10
Life Sciences 5
Liquor Laws (Y 1.2:L 66) 9
List of Classes (GP 3.24:) 8
Manual of Grasses of the U.S. (A 1.38:200/2) 6
Maps (Geology Dept.) 10
Medicine 7
Meterology 11
Mineral Facts & Problems (I 28.3:) 10
Minerals Yearbook (I 28.37:) 10
Miscellaneous Publications (A 1.38:) 6
NASA Educational Publications (NAS 1.19:) 13
NASA Facts (NAS 1.20:) 13
NASA Handbooks (NAS 1.18:) 13
NASA Reference Publications (NAS 1.61: MF) 13
NASA Special Publications (NAS 1.21:) 13
NASA Special Publications (NAS 1.21:4201--) 4
NASA Tech Briefs (NAS 1.29/3, 3-2:) 13
NASA Thesaurus (NAS 1.21:7053) 13
National Advisory Council on Child Nutrition (Y 3.C 43/2:) 8
National Air & Space Museum (SI 9) 4
National Drug Code Directory (HE 20.4012:) 9
National Institute on Drug Abuse 9
National Science Foundation (NS) 3
National Technical Information Service (NTIS) 3
Occupational Safety & Health Administration (L 35) 8
Oceanography 11
Office of Technology Assessment (Y 3.T 22/2:) 4
Opium and Narcotic Laws (Y 1.2:Op 3) 9
Pesticides Background Statements (A 1.76:) 12
Pharmacy (including Drug Abuse) 9
Proceedings of the U.S. National Museum (SI 3.6:) 4
Publications, New Publications of USGS (I 19.41/1: 9
Report on Abnormal Occurrences (Y 3.N 88:20) 13
Reports (E 1.99:, microfiche) 13
Scientific & Technical Aerospace Reports (STAR) (NAS 1.9/4:) 13
Selected Weeds of the U.S. (A 1.76:366) 6

Short-Term Energy Outlook (E 3.31:) 12
Smithsonian Contributions to Botany (SI 1.29:) 6
Smithsonian Contributions to Paleobiology (SI 1.30:) 11
Smithsonian Contributions to Zoology (SI 1.27:) 7
Smithsonian Year (SI 1.1:) 4
Star Catalog (SI 1.2:St 2) 13
State Energy Overview (E 3.42/2:) 12
Statistics of Interstate Natural Gas Cos. (E 3.25:) 12
Subject Bibliographies (GP 3.22/2:) 3
Toward the Endless Frontier (Y 1.2:F 92/959-79) 4
Transportation 14
Typical Electric Bills (E 3.22:) 12
U.S. Climatic Data (C 55.214/41:) 11
U.S. Earthquakes (C 55.226:) 10
USGS Bulletin (I 19.3:) 10
USGS Circulars (I 19.4/2:) 10
USGS Professional Papers (I 19.16:) 11
World Weather Records (C 55.281:W 89) 11
Yearbooks (A 1.10:) 6
Zoology 7